strength vairable due to susceptibility of some plants to common stalk rots. General health good. Most plants dark green. No data on root strength gathered but one line selfed from population is exceptional with respect to this characteristic. Based on genetic material used to form the population, root strength expected to be good.

PI 595378. Zea mays L. **ssp. mays**
Breeding. Population. NEBRASKA DROUGHT SYNTHETIC. Developed in United States. Pedigree - Formed by intermating N7A, N28, and Pioneer hybrids 3709, 3720, 3505, 3575, 3388, and 3184. Germplasm chosen based on reports of stress tolerance. Population random mated for four generations, improved by 2 cycles of reciprocal full-sib selection with Nebraska Rootworm Synthetic. Average maturity 108 to 110 days. Since large proportion was hybrids, lines not expected to conform to one heterotic pattern. Yield good. Plant and ear heights medium. Stalk strength good. Little stalk rot observed and European corn borer damge less severe in this population relative to others grown in similar trials. Plant health very good with good staygreen late in season. No data on drought tolerance. Several lines selfed from this population show excellent root strength.

The following were developed by T.S. Cox, USDA, ARS, Plant Science and Entomology Research, Department of Agronomy, Manhattan, Kansas 66506-5501, United States. Received 07/29/1996.

PI 595379. Triticum aestivum L., nom. cons.
Breeding. Pureline. KS95WGRC33. Pedigree - KS93U69*2/TA2397. Hard red winter wheat resistant to Septoria leaf blotch (Septoria tritici) and Stagonospora leaf blotch (Stagonospora nodorum). Represents unique source of resistance in hexaploid wheat to Septoria and Stagonsospora leaf blotches. Also carries gene Lr41 for resistance to leaf rust (Puccinia recondita) from TA2460 via KS93U69. In seedling tests, segregated for resistance to cultures of wheat curl mite (Eriophyes tulipae) to which TAM107 is susceptible. Similar to TAM107 in days to heading, plant height, and general phenotype.

The following were developed by Soon Jai Park, Agriculture Canada, Harrow Research Station, Harrow, Ontario N0R 1G0, Canada; J. C. Tu, Agriculture and Agri-food Canada, Greenhouse and Processing Crops Research Centre, Harrow, Ontario NOR160, Canada. Received 07/31/1996.

PI 595380. Phaseolus vulgaris L.
Cultivar. Pureline. "AC HENSALL"; HR43-1582. CV-141. Pedigree - OAC Rico/4/W1541-1503 F2/3/W1336-F2//OAC Seaforth/I667. Medium early maturing in southwestern Ontario with improved disease resistance and yield potential. Yielded 2678 kg ha-1, 106.4% of Envoy, 116.9% of Mitchell, 109.5% of Midland, and 105.8% and 101.9% of OAC Cygnus and Central which were about 2d and 3d later in maturity. Matures about 93 d from seeding, adapted in southwestern Ontario, from 42 to 43 N lat., with 2600 or more crop heat units. Weighs 18.4 g 100 sd-1, slightly smaller seed mass than check cultivars (20.16 g) but larger seed than Midland which weighs 16.2 g 100 sd-1. Good appearance, flavour, texture of canned bean in organoleptic test, and cooking and canning quality